

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number  
WO 2005/077415 A1

(51) International Patent Classification<sup>7</sup>: A61K 39/395

(21) International Application Number:  
PCT/KR2005/000457

(22) International Filing Date: 18 February 2005 (18.02.2005)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:  
10-2004-0010835  
18 February 2004 (18.02.2004) KR

(71) Applicant (for all designated States except US): MEDEX-GEN INC. [KR/KR]; 2nd Floor, Medical Bldg 1, Hanyang University College of Medicine, 17 Haengdang-dong, Seongdong-gu, Seoul 133-791 (KR).

(72) Inventors; and  
(75) Inventors/Applicants (for US only): CHUNG, Yong-Hoon [KR/KR]; #212-1201 Samik Apt., Songpa-dong, Songpa-gu, Seoul 138-170 (KR). CHO, Hoon-Sik [KR/KR]; #410-604 Joogong 4-dangi, Chang

1-dong, Dobong-gu, Seoul 132-041 (KR). PARK, Hong-Gyu [KR/KR]; #522-7 Mok 2-dong, Yangcheon-gu, Seoul 158-052 (KR). YI, Ki-Wan [KR/KR]; #56-501 Garak Apt., Garak 1-dong, Songpa-gu, Seoul 138-161 (KR).

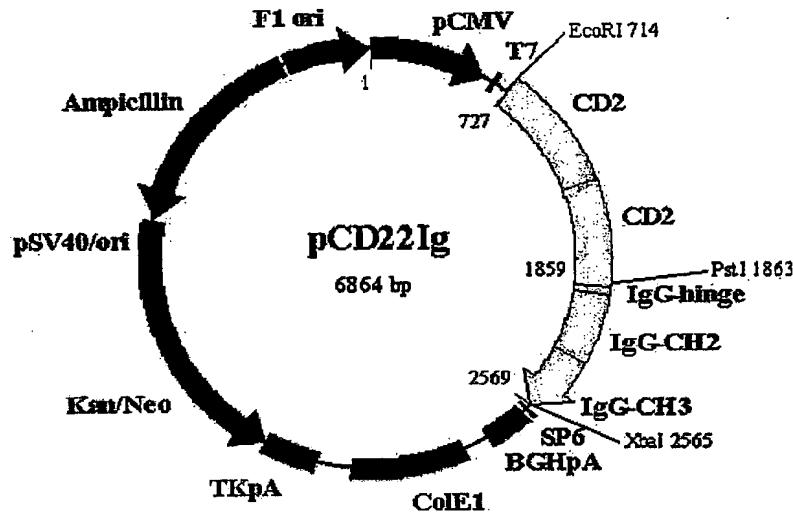
(74) Agents: LEE, Sei-Jin et al.; 17th Floor, City Air Tower, 159-9 Samsung-dong, Gangnam-gu, Seoul 135-973 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: PHARMACEUTICAL COMPOSITION FOR TREATMENT OF IMMUNOLOGICAL DISORDERS



WO 2005/077415 A1

(57) Abstract: Disclosed is a pharmaceutical composition for treating immunological disorders by inhibiting the activation of T lymphocytes, comprising, as active ingredients, two or more selected from the group consisting of a substance capable of blocking binding of an MHC (Major Histocompatibility Complex) Class II molecule and a receptor thereof, a substance capable of blocking binding of a costimulatory molecule and a receptor thereof, a substance capable of blocking binding of an adhesion molecule and a receptor thereof, and a substance capable of blocking binding of a cytokine and a receptor thereof.